

CLAIM LISTING:

- 1-3. *(Cancelled)*
4. *(Currently Amended)* The system according to claim **16**, wherein said plurality of target nucleic acids are a plurality of subsequences of a polynucleotide.
5. *(Currently Amended)* The system of claim **16**, wherein said first or second solid support is glass.
6. *(Currently Amended)* The system according to claim **16** wherein said immobilization is covalent.
7. *(Currently Amended)* The system according to claim **16** wherein said immobilization is non-covalent.
8. *(Currently Amended)* The system according to claim **16** wherein said primers are covalently linked to a cleavable moiety.
9. *(Original)* The system according to claim **8** wherein said cleavable moiety is cleavable by photolysis.
10. *(Currently Amended)* The system according to claim **16** wherein the surface of said first solid support comprises a plurality of hydrophilic areas.
11. *(Currently Amended)* The system according to claim **16** wherein the density of the derivatized areas on said first solid support is between about 10 to 10,000 per cm².
12. *(Currently Amended)* The system according to claim **16** wherein the size of said derivatized area on said first solid support is between about 10⁻³ to 5 mm².
13. *(Currently Amended)* The system according to claim **16** wherein the number of derivatized areas on said first solid support is between about 10 to 500,000.

14. *(Cancelled)*

15. *(Currently Amended)* The solid support of claim 16 wherein said releasable primer is releasable by photolysis.

16. *(New)* A system for amplifying a plurality of target nucleic acids, comprising

(a) a first solid support comprising a plurality of derivatized areas, wherein each of said derivatized areas comprises:

(i) at least one releasable forward primer and at least one releasable reverse primer for each of said target nucleic acids adapted to be released before an amplification reaction; or

(ii) at least one releasable sequence complementary to said releasable forward primer and at least one releasable sequence complementary to said releasable reverse primer adapted to be released before an amplification reaction; and

(b) a second solid support comprising a plurality of wells, wherein each well corresponds to either

(i) at least one of said releasable forward primer and at least one of said releasable reverse primer; or

(ii) at least one of said releasable sequence complementary to said releasable forward primer and at least one of said releasable sequence complementary to said releasable reverse primer.